

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended) An ablative baffle for a liquid rocket engine thrust chamber, comprising:

a hub member having a hollow structure, of which the top and bottom parts are opened;

a plurality of blade rib members, each of which is connected removably at one end to the outer surface of said hub member; and

a blade-connecting member having a hollow structure, of which the top and bottom parts are opened, and to the inner part of which each of said blade rib members is connected at the other end,

wherein said hub member comprises:

a first metal core; and

a first heat resistant material formed on the surface of said first metal core, and

wherein each of said blade rib members comprises:

a second metal core; and

a second heat resistant material formed on the surface of said metal core.

Claim 2 (original) The ablative baffle in claim 1, wherein said hub member has a ring shape.

Claim 3 (original) The ablative baffle in claim 2, wherein said hub member has a plurality of connecting holes to each of which said blade rib member is connected at one end, and has a plurality of ignition flame inducing holes smaller than said connecting holes.

Claim 4 (original) The ablative baffle in claim 3, wherein centers of said connecting holes and said ignition flame inducing holes are on the same circumference of the inner or outer surface of said hub member.

Claim 5 (canceled).

Claim 6 (currently amended) The ablative baffle in claim ~~[[5]]~~ 1, wherein the outer surface of said first metal core is partly exposed in the lower part to form a recess part that is used for installation purpose

Claim 7 (canceled).

Claim 8 (currently amended) The ablative baffle in claim [[7]] 1, wherein the lower part of said second metal core is exposed to form a first protrusion part.

Claim 9 (currently amended) The ablative baffle in claim [[7]] 1, wherein width-directional cross section of said second metal core has a shape of a rectangular rod having a plurality of wedges formed in the longitudinal direction.

Claim 10 (currently amended) The ablative baffle in claim [[7]] 1, wherein a plurality of first through holes are formed in said second metal core.

Claim 11 (original) The ablative baffle in claim 1, wherein said blade-connecting member has a ring shape.

Claim 12 (original) The ablative baffle in claim 11, wherein a groove is formed on the lower surface of said blade-connecting member.

Claim 13 (original) The ablative baffle in claim 1, wherein a plurality of second through holes are formed in said blade-connecting member.

Claim 14 (original) The ablative baffle in claim 13, wherein a zirconia heat resistant coating layer is formed on the inner surface of said blade-connecting member.

Claim 15 (original) The ablative baffle in claim 1, wherein said blade-connecting member is lower in height than said blade rib member or said hub member.

Claim 16 (original) The ablative baffle in claim 1, wherein said blade-connecting member is assembled with a plurality of divided parts, each of which is connected to said blade rib member.

Claim 17 (original) The ablative baffle in claim 16, wherein said blade rib member and said divided part are formed as one body.

Claim 18 (previously presented) The ablative baffle in claim 16, wherein said blade-connecting member is assembled with equal divided parts of $2N$ or $2N+1$ wherein N is a natural number.

Claim 19 (previously presented) The ablative baffle in claim 17, wherein said blade-connecting member is assembled with equal divided parts of $2N$ or $2N+1$ wherein N is a natural number.

Claim 20 (new) An ablative baffle for a liquid rocket engine thrust chamber, comprising:

a hub member having a hollow structure, of which the top and bottom parts are opened,
and having a plurality of connecting holes;

a plurality of blade rib members, each of which has a protrusion part being inserted into
the connecting hole; and

a blade-connecting member having a hollow structure, of which the top and bottom parts
are opened, and to the inner part of which each of said blade rib members is connected,

wherein said blade-connecting member is assembled with a plurality of divided parts,
each of which is connected to said blade rib member.